

18003

RES CONTROL
GOING LTR NO

RF 0545 **EG&G ROCKY FLATS**

DIST ☐ EG&G ROCKY FLATS, INC
DETT RL ☒ ROCKY FLATS PLANT, P O BOX 464 GOLDEN COLORADO 80402-0464 • (303) 966 7000

MIN A ☒
AN HS ☒
CH DB ☒
VAL GJ ☐
JG ☒
ERA DW ☒

January 22, 1993

93-RF-0545

BJ ☐
AN LK ☐
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JO ☒

James K Hartman
Assistant Manager
DOE, RFO

RESPONSE TO "FAILURE TO COMPLY" LETTER, SOLAR PONDS IM/IRA - RLB-041-93

Ref G W Baughman ltr to R J Schassburger, Failure to Comply with IAG
Milestones, OU-4 IM/IRA Decision Document, January 4, 1993

EG&G Rocky Flats, Inc has prepared information for your response to the State of Colorado letter referenced above. The information requested by the regulators is attached in a draft letter format for your convenience.

The "commitment" dates include a modest time contingency which, after analysis, was added to the corresponding dates reflected in the attached "working schedule". We believe this schedule contingency is essential to allow for delays due to weather, technical problems, or other unforeseen circumstances which were not included in the detailed working schedule.

To meet the commitment dates, it will be necessary for both EG&G Rocky Flats and DOE to complete tasks within the durations defined in the working schedule. If we allow the contingency time to be used for "ordinary" delays, there will not be sufficient contingency time available to address the problems described above, and the likelihood of achieving the commitment dates will be low. Please note the durations for items 16410020, 16470022, 16470080, and 17000040 in the Building 910 Evaporator Startup schedule and items 42100020, 53000050, 53000070, and 53000080 in the ITS Diversion schedule, for which DOE, HQ or DOE, RFO has the responsibility completion. The durations for these activities (described at attachment) were developed in coordination with your representatives. If you are unable to commit to them with a high degree of confidence, please contact us in order that we may discuss appropriate modifications to the commitment dates or assumptions.

The schedule for diverting the Interceptor Trench Water to the surge tanks can be compressed if we modify the modular tank design to delete the 020" ultraviolet protection internal liners. We must remove these liners to repair leaks in all 3 tanks. According to the material manufacturer, the underlying 080" liners are warranted for a 20 year life.

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GNATURE *W. Pascoe*
22-93

Y TO RFP CC NO
91RF93

ITEM STATUS
☐ CLOSED
☒ PARTIAL
PROVALS

TYPIST INITIALS
L apt
(Rev 9/92)

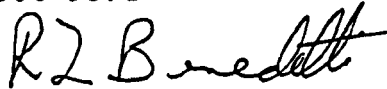
ADMIN RECORD

DATE *2-8-93*

James K Hartman
January 22, 1993
93-RF-0545
Page 2

without any uv protective liner By not replacing the 020 liners, we will save nine days of time from the critical path Furthermore, this will improve our ability in the future to conclusively determine the integrity of the primary 080" liners When present, the 020" liners act as a bladder, which can mask defects in the underlying 080" liners We strongly recommend that you support our position in this matter and that you request from CDH and EPA this appropriate modification to the IM/IRA We are eager to discuss this matter further with you.

If you have any questions, please contact E M Lee at 966-8648 or J A Ledford on 966-8673



R L Benedetti
Associate General Manager
Environmental Restoration Management
EG&G Rocky Flats, Inc

EML apt

Orig and 1 cc - J K Hartman

Attachments:
As Stated (2)

cc
F R Lockhart - DOE, RFO
R J Schassburger - "

Attachment 1

**DOE, HQ and DOE, RFO
Commitments in Support of IM/IRA Milestones**

In support of Building 910

| Activity | Description | Duration |
|-----------------|--------------------------------------------------------|-----------------|
| 16410020 | DOE, HQ approval of SAR | 28 Days |
| 16470022 | RFO review and approval of Qualification Sampling Plan | 5 Days |
| 16470080 | Secure approval of Qualification Samples | 5 Days |
| 17000040 | DOE readiness evaluation | 5 Days |

In support of Interceptor Trench System water diversion

| Activity | Description | Duration |
|-----------------|-----------------------------------------------------|-----------------|
| 42000020 | DOE, HQ approval of SAR | 37 Days |
| 53000050 | RFO review/approval of Readiness Assessment agenda | 3 Days |
| 53000070 | RFO review comments to Readiness Assessment package | 7 Days |
| 50000080 | Comment resolution for Readiness Assessment package | 3 Days |

Gary W Baughman, Chief
Facilities Section
Hazardous Waste Control Program
Colorado Department of Health

Martin Hestmark, Manager
Rocky Flats Project
U S Environmental Protection Agency

The Department of Energy, Rocky Flats Office (DOE, RFO) has reviewed your letter regarding the schedule for the April, 1992, Interim Measure/Interim Remedial Action (IM/IRA) for the Rocky Flats Plant Solar Ponds

We note that the IM/IRA in question is not included in the Interagency Agreement (IAG) Table 6 enforceable milestones. In fact the introduction to the IM/IRA Decision Document (DD), page 1-1 states "This IM/IRA document is not related to the IM/IRA as referenced in the IAG. Pondcrete operations are addressed in the Agreement in Principle (AIP), not the IAG." We are, however, providing the schedule information you requested in your letter.

Two sets of dates are provided. Attachment 1 provides the revised dates for the IM/IRA Table 3.2 construction and operation activities (that is, for the last four milestones in Table 3.2). This format is provided for clarity, so the dates can be directly related to those in the IM/IRA Decision Document. Attachment 2 provides dates for the six activities listed in your letter of January 4, 1993. Attachment 3 lists the assumptions which provide a basis for our projected dates and several caveats which have the potential (of shortening or) lengthening the schedule.

The objectives of the IM/IRA are (1) to cease the addition of water from the Interceptor Trench System (ITS) to the Solar Ponds and (2) to remove excess pond water as expeditiously as possible in order to proceed with the assessment and closure of OU-4.

To accomplish the first objective it is our current intention to divert ITS water from the pond as rapidly as practicable by temporarily separating the linkage between the modular tanks and the Building 910 evaporators, placing the modular tanks into full operation, and using the Building 374 evaporator to treat the ITS water. This assumes, of course, that the amendment to IM/IRA we are concurrently discussing with you is approved. DOE will not, therefore, need the Building 910 evaporators to be operational to support the initial ITS diversion. Over the intermediate term we plan to use Building 374 as a major element in the treatment of ITS water, as long as total plant requirements allow sufficient capacity in Building 374.

The schedule for diverting the Interceptor Trench Water to the surge tanks can be compressed if we modify the modular tank design to delete the 020" ultraviolet protection internal liners. We must remove these liners to repair leaks in all 3 tanks. According to the material manufacturer, the underlying 080" liners are warranted for a 20 year life without any uv protective liner. By not replacing the 020 liners, we will save nine days of time from the critical path. Furthermore, this will improve our ability in the future to conclusively determine the integrity of the primary 080" liners. When present, the 020" liners act as a bladder, which can mask defects in the underlying 080" liners. We strongly recommend that you support our position in this matter and support this modification to the IM/IRA. We are eager to discuss this matter further with you.

The second IM/IRA objective involves the removal of "excess water" from the ponds. Excess water is the amount of water in excess of that which is needed to suppress airborne suspension of sludge (approximately 2 inches) and to allow for pond sludges to be transferred efficiently into the cementation treatment unit (when that unit becomes operational). Currently, pond 207 C has no excess water since its contents are saturated brine and crystalline salts (which will require the addition of water for effective pumping and cementation). Precipitation additions to the C pond are balanced by evaporative losses. The 207 B series ponds currently contain roughly 230,000 gallons of sludge and 1.7 million gallons of water. After the contents are consolidated into one pond, which is our current intention, about 1.4 million gallons of this water will be considered excess.

Water is currently added to the B ponds from the Interceptor Trench System and from precipitation into the A and B ponds, which is then consolidated into pond B north. We have been pumping this water from the A and B ponds to the Building 374 evaporator for a number of years. We plan to divert the ITS water from the B ponds in April, following which we would remove all "excess water" and accumulated precipitation from the ponds by the end of February 1994. This water will be removed by transfer through existing pipeage from the ponds to the Building 374 evaporator. The Building 910 evaporator will be used primarily to process ITS water and will process pond water only as a contingency. Because precipitation will result in addition of water to the ponds, the consolidation and removal of additional excess water to pond B south will be a continuing intermittent task until the final OU-4 remedy is implemented. My staff will be happy to discuss excess water management with you further.

In response to your request for technical justification for the dates in Attachment 2, a number of factors have contributed to the schedule: technical difficulties with the Building 910 generators, the application of appropriately tailored disciplined operations to the entire system, leaks in all three of the modular tanks which must be repaired, and the anticipated effects of freezing weather on tank repair and startup operations, both of which involve water. I believe it would be best for my staff to meet with yours to further explain the revised schedule and answer your questions interactively.

With regard to your concern that we have not reported on the IM/IRA activity in sufficient detail in the Environmental Restoration Program Monthly Report, we agree that better communication on the Solar Ponds Remediation Program is needed. In the past we have included only summary information concerning the IM/IRA, because the report focussed primarily in IAG activities. Despite the lack of formal connection to the IAG, we agree that as a matter of administrative efficiency, it would be better to report in detail on the entire Solar Ponds Remediation Program in the Environmental Restoration Program Monthly Report, and we will do so in the future.

DOE appreciates the time your staff has spent discussing the restructuring of the Solar Ponds Program with Rocky Flats personnel. We expect to provide additional information as it becomes available. If you would like to discuss this or any Solar Ponds issues, please contact Frazer Lockhart on 966-7846.

Attachments (3)

Attachment 1

**MILESTONE SCHEDULE
INTERIM MEASURE/INTERIM REMEDIAL ACTION
SOLAR EVAPORATION PONDS
OPERABLE UNIT NO. 4**

| | <u>Original Date</u> | <u>Revised Date</u> | <u>Status</u> |
|-------------------------------------------------------|----------------------|---------------------|---------------|
| Begin Construction of Treatment and Storage System | March 1, 1992 | April 6, 1992 | Completed |
| Complete Construction of Treatment and Storage System | June 1, 1992 | July 7, 1993 | In Progress |
| Conduct Trial Run of Treatment System | June 8, 1992 | June 28, 1993 | Pending |
| Begin Full-Scale Operations | June 15, 1992 | Sept 9, 1993 | Pending |

Attachment 2

Solar Ponds IM/IRA Revised Schedule

| | <u>Date</u> |
|--------------------------------------------------|----------------|
| Complete Building 910 Construction | July 7, 1993 |
| Complete Cold Tests With Plant Raw Water | May 10, 1993 |
| Complete Hot Test with ITS Water | June 28, 1993 |
| Building 910 Evaporators Fully Operational | Sept 9, 1993 |
| Interceptor Trench Water Diverted to Surge Tanks | April 16, 1993 |
| Excess Liquids Removed From Ponds | Feb 1994 |

Attachment 3

Assumptions Accompanying Schedule Commitments

- 1 Product water acceptance testing will demonstrate that the Building 910 evaporative system and support equipment will function as described in the IM/IRA to produce distillate which meets commercial water standards and is reusable in the plant raw water system
- 2 The ITS water diversion schedule assumes that EPA/CDH will approve DOE's request to amend the IM/IRA Decision Document as has been discussed in separate communications to allow use of the modular tanks before the startup of the Building 910 evaporators
- 3 The B910 schedule assumes EPA/CDH approval of compensatory measures (primarily visual inspections) for the pipeline from B910 to B374. This pipeline passes through several concrete and/or masonry walls in Buildings 774, 776 and 778 where it does not have secondary containment
- 4 Building 910 startup can occur on the basis of test results obtained in accordance with the Contract Lab Protocol (CLP) without waiting for validation and reporting of sample data (validation and reporting adds 4 weeks)
- 5 In the near term the Building 910 evaporators will not be used to process pond water. Before Building 910 is used to process pond water, it will require requalification of the evaporation process and procedures, along with possible modifications to the building operations (e.g. designating it as a Radiation Contamination Area). These activities are not included in the schedule presented.
- 6 The schedule does not include any final review by the Defense Nuclear Facilities Safety Board. It is our intention to brief the board on our approach to determining the readiness of this low hazard, non-nuclear facility, and it is our assumption that the board will agree with our approach and an on-site review.
- 7 The estimated date for removal of excess pond water is based on average precipitation over a five year period. Since precipitation affects the amount of ITS water which Building 374 must treat, precipitation substantially in excess of the five year average will reduce the capacity of Building 374 to remove pondwater and will extend the target date.

[illegible]

| ACTIVITY ID | DESCRIPTION | ORIG DUR | TOTL FLT | RESP | EARLY START | EARLY FINISH |
|-------------|--------------------------------------------------|----------|----------|------|-------------|--------------|
| 21110005 | TEMP MOD TANKS REPAIRED | 44 | 35 | FPM | 20JAN93A | 22MAR93 |
| 21110010 | EMPTY TEMPORARY MODULAR TANKS | 4 | 35 | | 23MAR93 | 26MAR93 |
| 21110015 | APPROVAL - TEMP MODULAR TANKS READY | 3 | 36 | | 23MAR93 | 25MAR93 |
| 21110017 | DEMOLITION OF EXISTING MECHANICAL - E.T. LAFORE | 1 | 35 | | 29MAR93 | 29MAR93 |
| 21110018 | INSTALL PRIMARY & TEST - ET LAFORE | 1 | 35 | | 30MAR93 | 30MAR93 |
| 21110019 | REPAIR PUMPS - ET LAFORE | 1 | 35 | - | 31MAR93 | 31MAR93 |
| 21110020 | FILL MODULAR TANKS | 10 | 35 | | 1APR93 | 15APR93 |
| 21110005 | DETERMINE ACTIVITIES NEEDING BCP | 1 | | FPM | 11JAN93A | 11JAN93A |
| 21110010 | WRITE P.R. TO GET LICON TO RFP | 1 | | MPS | 11JAN93A | 11JAN93A |
| 21110020 | APPROVE P.R. TO GET LICON TO RFP | 1 | | MPS | 11JAN93A | 11JAN93A |
| 21110073 | WRITE MPFD TO INCP FOR THERMOCOUPLE WORK - LICON | 2 | | CM | 11JAN93A | 11JAN93A |
| 21110074 | APPROVE MPFD TO INCP FOR THERMOCOUPLE WORK-LICON | 1 | | CM | 11JAN93A | 11JAN93A |
| 21110030 | PROCURE LICON SERVICES | 1 | | PRDC | 13JAN93A | 13JAN93A |
| 21110030 | FIELD DIRECTIVE BRINE SYSTEM CONTROL PANEL | 2 | | ENG | 13JAN93A | 14JAN93A |
| 21110015 | WRITE P.R. TO GET MAGNER TO RFP | 1 | | MPS | 15JAN93A | 15JAN93A |
| 21110025 | APPROVE P.R. TO GET MAGNER TO RFP | 1 | | MPS | 15JAN93A | 15JAN93A |
| 21110035 | PROCURE MAGNER SERVICES | 1 | | PRDC | 15JAN93A | 15JAN93A |
| 21110030 | BRINE SWITCH CONTROL PANEL INCP | 3 | | CM | 18JAN93A | 18JAN93A |
| 21110035 | INSTALL FLOW METER ON ENGINE 3 - LICON | 1 | | MPS | 19JAN93A | 19JAN93A |
| 21110040 | INSTALL ADPT VALVE - LICON | 1 | | MPS | 20JAN93A | 20JAN93A |
| 21110075 | CLEAN/REPLACE THERMOCOUPLE ENDS - LICON | 2 | 46 | MPS | 20JAN93A | 21JAN93 |
| 21110050 | HYDRO TEST ADPT VALVE INSTALLATION - LICON | 1 | 31 | MPS | 21JAN93A | 21JAN93 |
| 21110004 | RESOLVE NEED FOR HEAT TRACE ON GENERATORS | 5 | 128 | SPPR | 21JAN93 | 22JAN93 |
| 21110006 | CENTRAL PLANNING INPUT TO BCP | 2 | 0 | CP | 21JAN93 | 22JAN93 |
| 21150100 | CC TEST OF EVAPORATOR COOLING TOWER #2 - LICON | 1 | 70 | MPS | 22JAN93 | 22JAN93 |
| 21110007 | PREPARE BCP | 2 | 0 | FPM | 25JAN93 | 26JAN93 |
| 21120060 | FILL ENGINE #2 COOLANT & PURGE AIR - MAGNER | 1 | 68 | MPS | 26JAN93 | 26JAN93 |
| 21110009 | BCP APPROVAL | 1 | 0 | CP | 27JAN93 | 27JAN93 |
| 21120070 | RUN ENGINE 2 UNDER LOAD BANK - MAGNER | 1 | 68 | MPS | 27JAN93 | 27JAN93 |
| 21110200 | INSTALL HEAT TRACE ON GENERATORS - LICON | 12 | 27 | CM | 28JAN93 | 12FEB93 |
| 21110240 | WRITE FD TO MODIFY CAPS FOR VALVES | 2 | 0 | ENG | 28JAN93 | 29JAN93 |

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT

1993

EVAPOURATORS

Working

EG&G ROCKY FLATS
SOLAR POUNDS REMEDIATION PROJECT
BUILDING 910 EVAPORATORS SCHEDULE

Pilot Date 22JAN93
Base Date 21JAN93
Project Start 10CT92
Project Finish 24WV93

EST 16 - 21/JAN/93

Date Revision Checked Approved

| ACTIVITY | | ORIG | | TOTL | | EARLY | | EARLY | |
|-------------------------|--------------------------------------------------|------|-----|------|---------|---------|--|--------------|--|
| ACTIVITY ID DESCRIPTION | | DUR | | FLT | | RECP | | START FINISH | |
| 12110270 | GROUNDING OF TANKS - FD APPROVAL | 1 | 33 | CH | 28JAN93 | 28JAN93 | | | |
| 12110300 | ISSUE FD TO CORRECT LEAK DET SYS - SEQUENCE # 10 | 3 | 63 | ENG | 28JAN93 | 1FEB93 | | | |
| 12110500 | ENGINEERING DESIGN - SAMPLING VALVES | 4 | 10 | E&T | 28JAN93 | 2FEB93 | | | |
| 12130080 | START VC - SYSTEM 2 - LICON | 2 | 68 | WPS | 28JAN93 | 29JAN93 | | | |
| 12110280 | GROUNDING TANKS INCP REVISION | 3 | 33 | CH | 29JAN93 | 2FEB93 | | | |
| 12110230 | APPROVAL FD TO MODIFY CAPS FOR VALVES | 1 | 21 | CH | 1FEB93 | 1FEB93 | | | |
| 12110380 | HOT CAP INSTALLATION FD | 3 | 0 | ENG | 1FEB93 | 3FEB93 | | | |
| 12140090 | START HENS - SYSTEM 2 - LICON | 2 | 68 | WPS | 1FEB93 | 2FEB93 | | | |
| 12110250 | WRITE INCP TO MODIFY CAPS FOR VALVES | 2 | 21 | CH | 2FEB93 | 3FEB93 | | | |
| 12110310 | LEAK DETECTION SYSTEM NUMBERING - FD APPROVAL | 1 | 63 | CH | 2FEB93 | 2FEB93 | | | |
| 12110290 | GROUNDING OF TANKS - JONES | 5 | 33 | CH | 3FEB93 | 4FEB93 | | | |
| 12110313 | INCP TO REVISE LEAK DET SYS - SEQUENCE # 1, 0 | 3 | 63 | CH | 3FEB93 | 5FEB93 | | | |
| 12110510 | APPROVE FD - SAMPLING VALVES | 1 | 10 | CH | 3FEB93 | 3FEB93 | | | |
| 12110600 | FILTER DRAIN DESIGN | 5 | 0 | E&T | 3FEB93 | 4FEB93 | | | |
| 12120100 | FILL ENGINE 3 WITH COOLANT & PURGE AIR - WAGNER | 1 | 68 | WPS | 3FEB93 | 3FEB93 | | | |
| 12110255 | APPROVE INCP TO MODIFY CAPS FOR VALVES | 1 | 21 | CH | 4FEB93 | 4FEB93 | | | |
| 12110383 | HOT CAP ORDER - JONES | 1 | 64 | CH | 4FEB93 | 4FEB93 | | | |
| 12110390 | HOT CAP INSTALLATION INCP | 3 | 110 | CH | 4FEB93 | 8FEB93 | | | |
| 12110520 | PREPARE INCP - SAMPLING VALVES | 2 | 10 | CH | 4FEB93 | 5FEB93 | | | |
| 12120110 | RUN ENGINE 3 UNDER LOAD BANK - WAGNER | 1 | 68 | WPS | 4FEB93 | 4FEB93 | | | |
| 12150105 | OC TEST OF COOLING TOWER #3 - LICON | 1 | 68 | WPS | 4FEB93 | 4FEB93 | | | |
| 12110260 | INSTALL MODIFIED CAPS FOR VALVES - JONES | 15 | 21 | CH | 5FEB93 | 25FEB93 | | | |
| 12110384 | HOT CAP FABRICATION - VENDOR | 45 | 64 | CH | 5FEB93 | 8APR93 | | | |
| 12110650 | TANK D-50 SIPHON DESIGN | 7 | 0 | E&T | 5FEB93 | 15FEB93 | | | |
| 12130120 | START VC - SYSTEM 3 - LICON | 2 | 68 | WPS | 5FEB93 | 8FEB93 | | | |
| 12110314 | PROCURE HTL - LEAK DET SYSTEM NUMBERING - JONES | 45 | 63 | CH | 8FEB93 | 12APR93 | | | |
| 12110530 | REVIEW & APPROVE INCP - SAMPLING VALVES | 2 | 10 | CH | 8FEB93 | 9FEB93 | | | |
| 12140130 | START HENS - SYSTEM 3 - LICON | 2 | 68 | WPS | 9FEB93 | 10FEB93 | | | |
| 12110540 | PROCURE SAMPLING VALVES | 15 | 10 | CH | 10FEB93 | 24MAR93 | | | |
| 12110610 | FILTER DRAINS FD APPROVAL | 1 | 16 | CH | 10FEB93 | 10FEB93 | | | |
| 12110620 | FILTER DRAIN INCP APPROVAL | 2 | 16 | CH | 11FEB93 | 12FEB93 | | | |
| 12160140 | SYS W/KNOW/DEMONSTRATION/TECH XFER - LICON | 7 | 68 | WPS | 11FEB93 | 19FEB93 | | | |

1993
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EVAPORATORS

EG&G ROCKY FLATS
SOLAR POND REMEDIATION PROJECT
BUILDING 910 EVAPORATORS SCHEDULE

Plot Date 22JAN93
Bldg Date 22JAN93
Project Start 10FEB93
Project Finish 24MAR93

British Aerospace
Systems Inc.
O/R
Manufacturing Activity

Sheet 8 of 11

REV 08 - 21/JAN/93
Bldg Revision
Checked
Reviewed

| ACTIVITY | | ORIG | | TOTL | | EARLY | | EARLY | |
|-----------------------------------------|-------------------------------------------------|------|-----|------|----------|----------|--|-------|--|
| ACTIVITY ID | DESCRIPTION | DUR | FLT | RESP | START | FINISH | | | |
| EVAPORATORS | | | | | | | | | |
| 12110205 | TEST ALL HEAT TRACE ON GENERATORS - LICOM | 3 | 27 | CH | 15FEB93 | 17FEB93 | | | |
| 12110630 | FILTER DRAIN PROCURE MATERIAL | 3 | 16 | CH | 15FEB93 | 17FEB93 | | | |
| 12110660 | TANK D-50 SIPHON FD APPROVALS | 3 | 0 | CH | 16FEB93 | 18FEB93 | | | |
| 12110210 | INSTALL INSULATION ON GENERATORS - JONES | 15 | 40 | CH | 18FEB93 | 10MAR93 | | | |
| 12110640 | FILTER DRAIN DELIVERY | 10 | 16 | CH | 18FEB93 | 3MAR93 | | | |
| 12110670 | TANK D-50 SIPHON INCP APPROVAL | 5 | 0 | CH | 19FEB93 | 25FEB93 | | | |
| 12110360 | INSTALL CHECKERED PLATE IN GENERATORS - JONES | 6 | 100 | CH | 22FEB93 | 1MAR93 | | | |
| 12110680 | TANK D-50 SIPHON MATERIAL | 10 | 0 | CH | 26FEB93 | 11MAR93 | | | |
| 12110550 | DELIVER SAMPLING VALVES | 3 | 10 | CH | 3MAR93 | 5MAR93 | | | |
| 12110645 | FILTER DRAIN INSTALLATION | 5 | 16 | CH | 4MAR93 | 10MAR93 | | | |
| 12110570 | INSTALL BRINE SAMPLE VALVE PER MENS UNIT | 5 | 10 | CH | 8MAR93 | 12MAR93 | | | |
| 12110220 | PAINT & ID PIPING ON GENERATORS - JONES | 3 | 90 | CH | 11MAR93 | 15MAR93 | | | |
| 12110690 | DELIVER TANK D-50 SIPHON MATERIAL | 5 | 0 | CH | 12MAR93 | 18MAR93 | | | |
| 12160150 | WALKDOWN FOR BENEFICIAL OCCUPANCY | 1 | 9 | CH | 16MAR93 | 16MAR93 | | | |
| 12160160 | PERFORM BENEFICIAL ACTIVITIES | 3 | 9 | CH | 17MAR93 | 19MAR93 | | | |
| 12110700 | INSTALL TANK D-50 SIPHON | 10 | 0 | CH | 19MAR93 | 1APR93 | | | |
| 12160170 | BENEFICIAL OCCUPANCY - 50 TESTING | 1 | 0 | CH | 2APR93 | 2APR93 | | | |
| 12110385 | HOT CAP DELIVERY - JONES | 3 | 64 | CH | 12APR93 | 14APR93 | | | |
| 12110315 | HAUL DEL - LEAK DETECTION SYS NUMBERING - JONES | 3 | 63 | CH | 13APR93 | 15APR93 | | | |
| 12110400 | HOT CAP INSTALLATION - JONES | 5 | 64 | CH | 15APR93 | 21APR93 | | | |
| 12110320 | CONSTR - LEAK DETECTION SEQ NUMBERING - JONES | 5 | 63 | CH | 16APR93 | 22APR93 | | | |
| 12110370 | COMPLETE COWLING ON PIPE PENETRATIONS - JONES | 2 | 60 | CH | 3MAY93 | 4MAY93 | | | |
| 12160175 | FINAL BENEFICIAL OCCUPANCY | 1 | 14 | CH | 2JUL93 | 2JUL93 | | | |
| 12160180 | PROJECT ACCEPTANCE & TRANSFER | 4 | 14 | CH | 6JUL93 | 9JUL93 | | | |
| PRODUCT WATER SYSTEM | | | | | | | | | |
| 12310050 | INSTALL ORIFICE PLATES | 3 | | CH | 11JAN93A | 11JAN93A | | | |
| 12310100 | NOTIFICATION FOR RAW WATER SYSTEM SHUTDOWN | 1 | | CH | 15JAN93A | 15JAN93A | | | |
| 12310105 | NOTIFY STP OF WATER TRANSFER | 1 | | CH | 15JAN93A | 15JAN93A | | | |
| 12310110 | RAW WATER SYSTEM SHUTDOWN | 5 | | PS | 18JAN93A | 18JAN93A | | | |
| 12310120 | DRAIN RAW WATER SYSTEM | 3 | | CH | 18JAN93A | 18JAN93A | | | |
| 12310170 | VERIFY ACCEPTABILITY OF PRODUCT H2O INTO RAW SY | 59 | 77 | PS | 18JAN93A | 8APR93 | | | |
| 12310053 | RESOLVE EXCESS PUMP CURRENT DRAIN | 5 | 130 | E&T | 19JAN93A | 25JAN93 | | | |
| EG&G ROCKY FLATS | | | | | | | | | |
| SOLAR PONDS REMEDIATION PROJECT | | | | | | | | | |
| BUILDING 910 EVAPORATORS SCHEDULE | | | | | | | | | |
| 1993 | | | | | | | | | |
| JAN FEB MAR APR MAY JUN JUL AUG SEP OCT | | | | | | | | | |

Plot Date 22JAN93
 Data Date 22JAN93
 Project Start 10CT92
 Project Finish 20JUL93

Building Activity Name
 Building Activity
 Building Activity

Sheet 3 of 13

REV 00 - 21/JAN/93

| DATE | REVISION | CREATED | REVISION |
|------|----------|---------|----------|
| | | | |
| | | | |
| | | | |
| | | | |

[illegible]

[illegible]

| ACTIVITY ID | | ACTIVITY DESCRIPTION | | ORIG | TOTL | FLT | RESP | START | FINISH |
|-------------|-------------------------------------------------|----------------------|----|-------|----------|----------|------|-------|--------|
| 12531010 | CC TEST BRINE TANKER | 2 | 48 | LWTO | 25MAR93 | 26MAR93 | | | |
| 12510130 | TEST SAFETY SHOWER | 3 | 65 | LWTO | 23APR93 | 27APR93 | | | |
| 12610010 | REV 1 SO TEST PROCEDURES | 10 | 37 | E&T | 11JAN93A | 25JAN93 | | | |
| 12610020 | SUBMIT REV 1 PROCEDURES FOR REVIEW | 5 | 37 | E&T | 26JAN93 | 1FEB93 | | | |
| 12610025 | INCORPORATE RVM COMMENTS ON SO TEST | 5 | 37 | E&T | 2FEB93 | 8FEB93 | | | |
| 12610030 | FINAL APPROVAL OF REV 1 SO TEST PROCEDURE | 2 | 37 | LWTO | 9FEB93 | 10FEB93 | | | |
| 12620010 | WRITE HOT SO TEST PROCEDURES | 20 | 31 | E&T | 22FEB93 | 19MAR93 | | | |
| 12620020 | REVIEW HOT SO TEST PROCEDURE | 5 | 31 | E&T | 22MAR93 | 26MAR93 | | | |
| 12620030 | INCORPORATE REVIEW COMMENTS INTO HOT SO TEST | 5 | 31 | E&T | 29MAR93 | 29APR93 | | | |
| 12620040 | FINAL APPROVAL OF HOT SO TEST PROCEDURE | 2 | 31 | E&T | 5APR93 | 6APR93 | | | |
| 12630000 | START COLD SO TESTING | 0 | 0 | ER | 5APR93 | | | | |
| 12630030 | COMPRESSED AIR TEST | 1 | 0 | E&T | 5APR93 | 5APR93 | | | |
| 12630080 | DISTILLATE OPERABILITY TESTING | 6 | 15 | LWTO | 5APR93 | 13APR93 | | | |
| 12630090 | BRINE OPERABILITY TESTING | 4 | 17 | LWTO | 5APR93 | 8APR93 | | | |
| 12630010 | GENERATOR OPERABILITY TEST | 6 | 74 | LWTO | 6APR93 | 14APR93 | | | |
| 12630040 | COOLING TOWER OPERABILITY TESTING | 6 | 0 | ER | 6APR93 | 14APR93 | | | |
| 12630060 | VC OPERABILITY TESTING | 6 | 0 | ER | 15APR93 | 22APR93 | | | |
| 12630070 | FEES OPERABILITY TESTING | 6 | 0 | ER | 23APR93 | 30APR93 | | | |
| 12630020 | RVM H2O OPERABILITY TESTING | 2 | 0 | ER | 30APR93 | 40APR93 | | | |
| 12630050 | LSOH TESTING | 1 | 5 | TELEC | 5MAY93 | 5MAY93 | | | |
| 12630100 | RUN INTEGRATED TEST | 6 | 0 | ER | 5MAY93 | 12MAY93 | | | |
| 12630110 | COMPLETE COLD SO TEST | 0 | 0 | ER | 12MAY93 | | | | |
| 12640010 | RUN PROCESS QUALIFICATION TEST | 9 | 0 | ER | 7JUN93 | 17JUN93 | | | |
| 12640015 | VERIFICATION OF EDITA RATE CURVE | 9 | 0 | ER | 7JUN93 | 17JUN93 | | | |
| 12640017 | LAB SUPPORT FOR EDITA RATE CURVE | 9 | 0 | ANLAB | 7JUN93 | 17JUN93 | | | |
| 12640020 | PROCESS QUALIFICATION TEST COMPLETE - 8910 EVAP | 0 | 0 | ER | | 17JUN93 | | | |
| 12650010 | OPERATE SYSTEM TO QUALIFY OPERATORS | 5 | 24 | LWTO | 18JUN93 | 24JUN93 | | | |
| 12700010 | DEVELOP CALIBRATION LIST | 5 | | ENG | 15DEC92A | 21DEC92A | | | |
| 12700150 | DEVELOP PERIODIC SCHED FOR RECAL OF INSTRUMENTS | 5 | | ENG | 15DEC92A | 21DEC92A | | | |
| 12700020 | DEVELOP CALIBRATION CERTIFICATION LIST | 2 | | ENG | 18DEC92A | 21DEC92A | | | |

Plot Date: 22JUN93
Data Date: 21JUN93
Project Start: 16JUN92
Project Finish: 24JUN93

Activity: ☐ Initial activity
☐ Intermediate activity
☐ Final activity

EG&G ROCKY FLATS
SOLAR PUMPS REMEDIATION PROJECT
BUILDING 910 EVAPORATORS SCHEDULE

Start: 16 JUN 93

End: 21 JUN 93

1993

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| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT |
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BRINE SYSTEM

50 TEST

[illegible]

| ACTIVITY ID DESCRIPTION | | ORIG | TOTL | RESP | EARLY START | EARLY FINISH | 1993 | | | | | | | | | | | |
|-------------------------|--------------------------------------------------|------|------|-------|-------------|--------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| ACTIVITY ID DESCRIPTION | | DUR | FLT | RESP | START | FINISH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| | | | | | | | HEATING SYSTEM | | | | | | | | | | | |
| 13300074 | PROCURE MTRL FOR SIGHT GLASS ON CONDENSATE TANK | 5 | 45 | PROC | 11FEB93 | 17FEB93 | | | | | | | | | | | | |
| 13300073 | REVIEW & APPROVE IMCP PACKAGE FOR SIGHT GLASS | 1 | 57 | LWTO | 15FEB93 | 15FEB93 | | | | | | | | | | | | |
| 13300060 | INSTALL BEARINGS | 3 | 105 | MAINT | 18FEB93 | 28FEB93 | | | | | | | | | | | | |
| 13300080 | DELIVER SIGHT GLASS/CONDENSATE TANK | 10 | 45 | PROC | 18FEB93 | 3MAR93 | | | | | | | | | | | | |
| 13300061 | CLOSEOUT MOTOR BEARINGS | 5 | 105 | LWTO | 28FEB93 | 1MAR93 | | | | | | | | | | | | |
| 13300090 | INSTALL NEW SIGHT GLASS | 3 | 45 | MAINT | 4MAR93 | 8MAR93 | | | | | | | | | | | | |
| 13300091 | CLOSEOUT SIGHT GLASS | 5 | 45 | LWTO | 4MAR93 | 15MAR93 | | | | | | | | | | | | |
| 13300110 | SECURE OPS MANAGER PRIORITY FOR HOT WATER HEATER | 1 | 57 | LWTO | 22MAR93 | 22MAR93 | | | | | | | | | | | | |
| 13300111 | PERFORM ENGINEERING SCREEN/ENG HOT WATER HEATER | 2 | 57 | E&T | 23MAR93 | 24MAR93 | | | | | | | | | | | | |
| 13300112 | PREPARE IMCP PACKAGE FOR HOT WATER HEATER | 2 | 57 | LWTO | 25MAR93 | 26MAR93 | | | | | | | | | | | | |
| 13300114 | PROCURE MATERIAL FOR HOT WATER HEATER | 5 | 60 | PROC | 25MAR93 | 31MAR93 | | | | | | | | | | | | |
| 13300113 | REVIEW/APPROVE IMCP PACKAGE FOR HOT WATER HEATER | 1 | 57 | LWTO | 29MAR93 | 29MAR93 | | | | | | | | | | | | |
| 13300100 | SECURE OPS MGR PRIORITY FOR PIPE HANGER REPAIR | 1 | 57 | LWTO | 30MAR93 | 30MAR93 | | | | | | | | | | | | |
| 13300101 | PERFORM ENGINEER SCREEN/ENG PIPE HANGER REPAIR | 1 | 57 | E&T | 31MAR93 | 31MAR93 | | | | | | | | | | | | |
| 13300102 | PROCURE MATERIAL FOR PIPE HANGER REPAIR | 5 | 57 | PROC | 1APR93 | 7APR93 | | | | | | | | | | | | |
| 13300103 | PREPARE IMCP PACKAGE FOR PIPE HANGER REPAIR | 2 | 74 | LWTO | 1APR93 | 2APR93 | | | | | | | | | | | | |
| 13300120 | DELIVER HOT WATER HEATER | 15 | 60 | PROC | 1APR93 | 22APR93 | | | | | | | | | | | | |
| 13300104 | REVIEW/APPROVE IMCP PACKAGE - PIPE HANGER REPAIR | 1 | 74 | LWTO | 5APR93 | 5APR93 | | | | | | | | | | | | |
| 13300105 | DELIVER MATERIAL FOR PIPE HANGER REPAIR | 15 | 57 | PROC | 8APR93 | 29APR93 | | | | | | | | | | | | |
| 13300130 | INSTALL HOT WATER HEATER | 3 | 60 | MAINT | 23APR93 | 27APR93 | | | | | | | | | | | | |
| 13300131 | CLOSEOUT HOT WATER HEATER | 5 | 60 | LWTO | 28APR93 | 4MAY93 | | | | | | | | | | | | |
| 13300106 | INSTALL PIPE HANGER | 1 | 57 | MAINT | 30APR93 | 30APR93 | | | | | | | | | | | | |
| 13300107 | CLOSEOUT PIPE HANGER | 5 | 57 | LWTO | 3MAY93 | 7MAY93 | | | | | | | | | | | | |
| 13300030 | INSTALL PRESSURE RELIEF VALVE | 3 | 30 | MAINT | 7JUN93 | 9JUN93 | | | | | | | | | | | | |
| 13300035 | CLOSEOUT PRESSURE RELIEF | 5 | 30 | LWTO | 10JUN93 | 16JUN93 | | | | | | | | | | | | |
| | | | | | | | BUILDING FOUNDATION SUMP | | | | | | | | | | | |
| 13400010 | SECURE OPS MANAGER PRIORITY FOR FOUNDATION SUMP | 1 | 57 | LWTO | 26JAN93 | 26JAN93 | | | | | | | | | | | | |
| 13400011 | PERFORM ENGINEERING SCREEN/ENG FOUNDATION SUMP | 1 | 57 | E&T | 27JAN93 | 27JAN93 | | | | | | | | | | | | |
| 13400012 | PREPARE IMCP PACKAGE FOR FOUNDATION SUMP | 2 | 57 | LWTO | 28JAN93 | 29JAN93 | | | | | | | | | | | | |
| 13400014 | PROCURE MATERIAL FOR FOUNDATION SUMP | 5 | 89 | PROC | 28JAN93 | 3FEB93 | | | | | | | | | | | | |
| 13400013 | REVIEW/APPROVE IMCP PACKAGE FOR FOUNDATION SUMP | 1 | 57 | LWTO | 1FEB93 | 1FEB93 | | | | | | | | | | | | |
| 13400020 | DELIVER MATERIAL FOR FOUNDATION SUMP | 15 | 89 | PROC | 4FEB93 | 24FEB93 | | | | | | | | | | | | |
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| ACTIVITY | | ACTIVITY ID | DESCRIPTION | ORIG DUR | TOTL FLT | RESP | EARLY START | EARLY FINISH | 1993 | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | | | | | | | | |
| OPERATING PROCEDURES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14150030 | COMMENT RESOLUTION - DISTILLATE FEED SYS | 4 | 121 ER | 25JAN93 | 28JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14160010 | FORNAT CONCENTRATE SYS PER TAPG | 3 | 114 ER | 25JAN93 | 27JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14110040 | CONCURRENCE REVIEW - PATE LINE UP CHECK-OFF LIST | 2 | 124 ER | 26JAN93 | 27JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14120040 | CONCURRENCE REVIEW - EDTA ADDITION | 2 | 84 ER | 27JAN93 | 28JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14140040 | CONCURRENCE REVIEW - EVAP FEED SYS | 2 | 123 ER | 27JAN93 | 28JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14110050 | CONCUR./COMNT RESOL - PATE LINE UP CHECK-OFF | 3 | 124 ER | 28JAN93 | 1FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14130040 | CONCURRENCE REVIEW - NITRIC ACID ADDITION | 2 | 122 ER | 28JAN93 | 29JAN93 | | | | | | | | | | | | | | | | | | | | | |
| 14160020 | PARALLEL REVIEW CYCLE - CONCENTRATE SYS | 3 | 114 ER | 28JAN93 | 1FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14120050 | CONCUR./COMNT RESOL - EDTA ADDITION | 3 | 84 ER | 29JAN93 | 2FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14140050 | CONCUR./COMNT RESOL - EVAP FEED SYS | 3 | 123 ER | 29JAN93 | 2FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14150040 | CONCURRENCE REVIEW - DISTILLATE FEED SYS | 2 | 121 ER | 29JAN93 | 1FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14130050 | CONCUR./COMNT RESOL - NITRIC ACID ADDITION | 3 | 122 ER | 1FEB93 | 3FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14110080 | APPROVAL - PATE LINE UP CHECK-OFF LIST | 1 | 124 ER | 2FEB93 | 2FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14150050 | CONCUR./COMNT RESOL - DISTILLATE FEED SYS | 3 | 121 ER | 2FEB93 | 4FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14160030 | COMMENT RESOLUTION - CONCENTRATE SYS | 5 | 114 ER | 2FEB93 | 8FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14140080 | APPROVAL - EVAP FEED SYS | 1 | 123 ER | 3FEB93 | 3FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14130080 | APPROVAL - NITRIC ACID ADDITION | 1 | 122 ER | 4FEB93 | 4FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14150080 | APPROVAL - DISTILLATE FEED SYS | 1 | 121 ER | 5FEB93 | 5FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14160040 | CONCURRENCE REVIEW - CONCENTRATE SYS | 2 | 114 ER | 9FEB93 | 10FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14160050 | CONCUR./COMNT RESOL - CONCENTRATE SYS | 3 | 114 ER | 11FEB93 | 15FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14120080 | APPROVAL - EDTA ADDITION | 1 | 76 ER | 15FEB93 | 15FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14160080 | APPROVAL - CONCENTRATE SYS | 1 | 114 | 16FEB93 | 16FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14170010 | WRITE PROCEDURE FOR UNLOADING BRINE TANKER | 2 | 57 ER | 17FEB93 | 18FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14170020 | PARALLEL REVIEW CYCLE FOR UNLOADING BRINE TANKER | 3 | 57 ER | 19FEB93 | 23FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14170030 | COMMENT RESOLUTION OF UNLOADING BRINE TANKER | 1 | 57 ER | 24FEB93 | 24FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14170040 | CONCURRENCE OF UNLOADING BRINE TANKER OPER PROC | 2 | 57 ER | 25FEB93 | 26FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14170050 | INCORPORATE COMMENTS OBTAINED ON CONCURRENCE | 3 | 57 ER | 1MAR93 | 3MAR93 | | | | | | | | | | | | | | | | | | | | | |
| 14170080 | APPROVE UNLOADING BRINE TANKER PROCEDURE | 1 | 57 ER | 4MAR93 | 4MAR93 | | | | | | | | | | | | | | | | | | | | | |
| OPERATING PROCEDURES - LICON EQPT | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14210015 | COMPLETE REWRITE OF UNIT 1,2,3 EVAP PROCEDURE | 5 | 78 ER | 17FEB93 | 23FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14210020 | PARALLEL REVIEW CYCLE - EVAP UNIT 1,2,3 | 3 | 78 ER | 24FEB93 | 26FEB93 | | | | | | | | | | | | | | | | | | | | | |
| 14210030 | COMMENT RESOLUTION - EVAP UNIT 1,2,3 | 1 | 78 ER | 1MAR93 | 1MAR93 | | | | | | | | | | | | | | | | | | | | | |
| Plot Date 22JAN93 Data Date 21JAN93 Project Start 10CT92 Project Finish 24MAR93 | | | | | | | | | E68G ROCKY FLATS SOLAR PONDS REMEDIATION PROJECT BUILDING 910 EVAPORATORS SCHEDULE | | | | | | | | | REV 18 - 21/JAN/93 | | | | | | | | |
| C&I Primavera Systems, Inc. | | | | | | | | | DATE | | | | | | | | | REVISED | | | | | | | | |

| ACTIVITY ID DESCRIPTION | | ORIG DUE | TOTL FLT | " RESP | EARLY START | EARLY FINISH | 1993 | | | | | | | | | | | |
|-------------------------|----------------------------------------------------|----------|----------|--------|-------------|--------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | | | | | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| | | | | | | | OPERATING PROCEDURES - LICON EAPT | | | | | | | | | | | |
| 14210040 | CONCURRENCE REVIEW - EVAP UNIT 1,2,3 | 2 | 78 | ER | 2MAR93 | 3MAR93 | | | | | | | | | | | | |
| 14210050 | CONCUR /COMMIT RESOL - EVAP UNIT 1,2,3 | 3 | 78 | ER | 4MAR93 | 8MAR93 | | | | | | | | | | | | |
| 14210080 | APPROVAL - EVAP UNIT 1,2,3 | 1 | 78 | ER | 9MAR93 | 9MAR93 | | | | | | | | | | | | |
| | | | | | | | ALARM RESPONSE PROCEDURES | | | | | | | | | | | |
| 14310090 | COMPLETE PRR'S FOR MAIN CONTROL PANEL ARP | 1 | | ER | 11JAN93A | 11JAN93A | | | | | | | | | | | | |
| 14320090 | COMPLETE PRR'S FOR ALARM ANNUNCIATOR PANEL ARP | 1 | | ER | 11JAN93A | 11JAN93A | | | | | | | | | | | | |
| 14330090 | COMPLETE PRR'S FOR ANNUNCIATOR PANEL ARP | 1 | | ER | 11JAN93A | 11JAN93A | | | | | | | | | | | | |
| 14340090 | COMPLETE PRR'S FOR HENS ARPS | 1 | | ER | 11JAN93A | 11JAN93A | | | | | | | | | | | | |
| 14350090 | COMPLETE PRR'S FOR VC ARPS | 1 | | ER | 11JAN93A | 11JAN93A | | | | | | | | | | | | |
| 14310100 | WRITE ARP FOR MAIN CONTROL PANEL | 4 | 101 | ER | 18JAN93A | 21JAN93 | | | | | | | | | | | | |
| 14310120 | PARALLEL REVIEW CYCLE - MAIN CONTROL PANEL ARP | 3 | 101 | ER | 22JAN93 | 26JAN93 | | | | | | | | | | | | |
| 14320100 | WRITE ARP FOR ALARM ANNUNCIATOR PANEL | 4 | 97 | ER | 22JAN93 | 27JAN93 | | | | | | | | | | | | |
| 14330100 | WRITE ARP FOR ANNUNCIATOR PANEL | 4 | 80 | ER | 25JAN93 | 28JAN93 | | | | | | | | | | | | |
| 14310130 | COMMENT RESOLUTION - MAIN CONTROL PANEL ARP | 1 | 101 | ER | 27JAN93 | 27JAN93 | | | | | | | | | | | | |
| 14310140 | CONCURRENCE REVIEW - MAIN CONTROL PANEL ARP | 2 | 101 | ER | 28JAN93 | 29JAN93 | | | | | | | | | | | | |
| 14320120 | PARALLEL REVIEW CYCLE - ALARM ANNUNCIATOR PANEL | 3 | 97 | ER | 28JAN93 | 1FEB93 | | | | | | | | | | | | |
| 14330120 | PARALLEL REVIEW CYCLE - ANNUNCIATOR PANEL ARP | 3 | 96 | ER | 29JAN93 | 2FEB93 | | | | | | | | | | | | |
| 14340110 | WRITE ARPS FOR HENS | 8 | 80 | ER | 29JAN93 | 9FEB93 | | | | | | | | | | | | |
| 14310150 | CONCUR /COMMIT RESOL - MAIN CONTROL PANEL ARP | 3 | 101 | ER | 1FEB93 | 3FEB93 | | | | | | | | | | | | |
| 14320130 | COMMENT RESOLUTION - ALARM ANNUNCIATOR PANEL ARP | 1 | 97 | ER | 2FEB93 | 2FEB93 | | | | | | | | | | | | |
| 14320140 | CONCURRENCE REVIEW - ALARM ANNUNCIATOR PANEL ARP | 2 | 97 | ER | 3FEB93 | 4FEB93 | | | | | | | | | | | | |
| 14330130 | COMMENT RESOLUTION - ANNUNCIATOR PANEL ARP | 1 | 96 | ER | 3FEB93 | 3FEB93 | | | | | | | | | | | | |
| 14310180 | APPROVAL - MAIN CONTROL PANEL ARP | 1 | 101 | ER | 4FEB93 | 4FEB93 | | | | | | | | | | | | |
| 14330140 | CONCURRENCE REVIEW - ANNUNCIATOR PANEL ARP | 2 | 96 | ER | 4FEB93 | 5FEB93 | | | | | | | | | | | | |
| 14320150 | CONCUR /COMMIT RESOL - ALARM ANNUNCIATOR PANEL ARP | 3 | 97 | ER | 5FEB93 | 9FEB93 | | | | | | | | | | | | |
| 14330150 | CONCUR /COMMIT RESOL - ANNUNCIATOR PANEL ARP | 3 | 96 | ER | 8FEB93 | 10FEB93 | | | | | | | | | | | | |
| 14320180 | APPROVAL - ALARM ANNUNCIATOR PANEL ARP | 1 | 97 | ER | 10FEB93 | 10FEB93 | | | | | | | | | | | | |
| 14310120 | PARALLEL REVIEW CYCLE - HENS ARPS | 3 | 88 | ER | 10FEB93 | 12FEB93 | | | | | | | | | | | | |
| 14350110 | WRITE ARPS FOR VC | 8 | 80 | ER | 10FEB93 | 19FEB93 | | | | | | | | | | | | |
| 14330180 | APPROVAL - ANNUNCIATOR PANEL ARP | 1 | 96 | ER | 11FEB93 | 11FEB93 | | | | | | | | | | | | |
| 14340130 | COMMENT RESOLUTION - HENS ARPS | 1 | 88 | ER | 15FEB93 | 15FEB93 | | | | | | | | | | | | |
| 14340140 | CONCURRENCE REVIEW - HENS ARPS | 2 | 88 | ER | 16FEB93 | 17FEB93 | | | | | | | | | | | | |

Plot Date: 22JAN93
Data Date: 21JAN93
Project Start: 18JIS2
Project Finish: 24MAY93

| ACTIVITY ID | | ACTIVITY DESCRIPTION | ORIG DUR | TOTL FLT | RESP | EARLY START | EARLY FINISH | 1993 | | | | | | | | | | | |
|---------------------------|-------------------------------------------------|----------------------|----------|----------|----------|-------------|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | | | | | | | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | | |
| ALARM RESPONSE PROCEDURES | | | | | | | | | | | | | | | | | | | |
| 14340150 | CONCUR./COMMIT RESOL - MEMS ARPS | 3 | 88 | ER | 18FEB93 | 22FEB93 | | | | | | | | | | | | | |
| 14350120 | PARALLEL REVIEW CYCLE - VC ARPS | 3 | 80 | ER | 22FEB93 | 24FEB93 | | | | | | | | | | | | | |
| 14340180 | APPROVAL - MEMS ARPS | 1 | 88 | ER | 23FEB93 | 23FEB93 | | | | | | | | | | | | | |
| 14350130 | COMMENT RESOLUTION - VC ARPS | 1 | 80 | ER | 25FEB93 | 25FEB93 | | | | | | | | | | | | | |
| 14350140 | CONCURRENCE REVIEW - VC ARPS | 2 | 80 | ER | 26FEB93 | 1MAR93 | | | | | | | | | | | | | |
| 14350150 | CONCUR./COMMIT RESOL - VC ARPS | 3 | 80 | ER | 2MAR93 | 4MAR93 | | | | | | | | | | | | | |
| 14350180 | APPROVAL - VC ARPS | 1 | 80 | ER | 5MAR93 | 5MAR93 | | | | | | | | | | | | | |
| 14360000 | ALL PROCEDURES COMPLETE | 0 | 78 | ER | 9MAR93 | 9MAR93 | | | | | | | | | | | | | |
| PHO DEVELOPMENT | | | | | | | | | | | | | | | | | | | |
| 14400010 | DEVELOP PHO EAPT LIST | 5 | | LWTO | 16DEC92A | 18DEC92A | | | | | | | | | | | | | |
| 14400015 | DEVELOP WORK CONTROL FORM FOR EA CLASS OF EAPT | 10 | 30 | LWTO | 18JAN93A | 2FEB93 | | | | | | | | | | | | | |
| 14400017 | ASSIGN *'S FOR EV/PH FORMS | 10 | 30 | LWTO | 3FEB93 | 16FEB93 | | | | | | | | | | | | | |
| 14400020 | DETERMINE PHO FREQUENCY/CRITERIA | 15 | 30 | EAT | 17FEB93 | 9MAR93 | | | | | | | | | | | | | |
| 14400025 | WRITE PHO | 15 | 30 | MAINT | 10MAR93 | 30MAR93 | | | | | | | | | | | | | |
| TRAINING | | | | | | | | | | | | | | | | | | | |
| 15000010 | DEFINE TRAINING REQUIREMENTS | 1 | | LWTO | 10CT92A | 10CT92A | | | | | | | | | | | | | |
| 15000015 | DEVELOP PROCEDURE QUALIFICATION PACKAGE | 1 | | LWTO | 10DEC92A | 10DEC92A | | | | | | | | | | | | | |
| 15000020 | DRAFT QUALIFICATION PACKAGE | 10 | | LWTO | 11DEC92A | 11DEC92A | | | | | | | | | | | | | |
| 15000025 | DRAFT JTA | 1 | | LWTO | 12JAN93A | 12JAN93A | | | | | | | | | | | | | |
| 15000050 | DRAFT INSTRUCTOR GUIDES | 10 | | LWTO | 12JAN93A | 12JAN93A | | | | | | | | | | | | | |
| 15000080 | DRAFT STUDENT GUIDES | 10 | | LWTO | 12JAN93A | 12JAN93A | | | | | | | | | | | | | |
| 15000026 | DRAFT INSTRUCTOR QUAL GUIDES | 19 | 118 | LWTO | 20JAN93A | 10FEB93 | | | | | | | | | | | | | |
| 15000027 | FINALIZE JTA | 4 | 78 | LWTO | 10MAR93 | 15MAR93 | | | | | | | | | | | | | |
| 15000030 | FINALIZE QUALIFICATION PACKAGE | 4 | 78 | LWTO | 10MAR93 | 15MAR93 | | | | | | | | | | | | | |
| 15000061 | CLASSROOM INSTRUCTOR GUIDES COMPLETE & APPROVED | 4 | 84 | PBT | 10MAR93 | 15MAR93 | | | | | | | | | | | | | |
| 15000120 | FINALIZE EXAM QUESTION BANK | 2 | 88 | PBT | 10MAR93 | 11MAR93 | | | | | | | | | | | | | |
| 15000130 | APPROVE EXAM QUESTION BANK | 2 | 88 | PBT | 12MAR93 | 15MAR93 | | | | | | | | | | | | | |
| 15000028 | APPROVE JTA | 2 | 78 | LWTO | 16MAR93 | 17MAR93 | | | | | | | | | | | | | |
| 15000040 | APPROVE QUALIFICATION PACKAGE | 2 | 78 | PBT | 16MAR93 | 17MAR93 | | | | | | | | | | | | | |
| 15000090 | FINALIZE STUDENT GUIDES | 5 | 82 | PBT | 16MAR93 | 22MAR93 | | | | | | | | | | | | | |
| 15000062 | TKV INSTRUCTOR GUIDES COMPLETE & APPROVED | 3 | 78 | LWTO | 18MAR93 | 22MAR93 | | | | | | | | | | | | | |
| 15000063 | OUT INSTRUCTOR GUIDES COMPLETE & APPROVED | 4 | 78 | LWTO | 18MAR93 | 23MAR93 | | | | | | | | | | | | | |

Plot Date 22JAN93
Date Built 21JAN93
Project Start 18CT92
Project Finish 23MAR93

Activity Summary
Activity

EC&G ROCKY FLATS
SOLAR POUNDS REMEDIATION PROJECT
BUILDING 910 EVAPORATORS SCHEDULE

Sheet 18 of 19

KEY 18 - 21/JAN/93

| Date | Revision | Checked | Approved |
|------|----------|---------|----------|
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| ACTIVITY | | ORIG | TOTL | EMRLY | EARLY | 1993 | | | | | | | | | | | |
|------------------------------------------------------------------------------------------|--------------------------------------------------|------|------|-------|----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| ACTIVITY ID | DESCRIPTION | DUR | FLT | RESP | START | FINISH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | |
| TRAINING | | | | | | | | | | | | | | | | | |
| 15000064 | PERFORMANCE EVAL INST GUIDES COMPLETE & APPROVED | 2 | 78 | LWTO | 23MAR93 | 24MAR93 | | | | | | | | | | | |
| 15000100 | APPROVE STUDENT GUIDES | 1 | 82 | PBT | 23MAR93 | 23MAR93 | | | | | | | | | | | |
| 15000140 | CONDUCT CLASSROOM TRAINING | 2 | 82 | PBT | 24MAR93 | 25MAR93 | | | | | | | | | | | |
| 15000150 | QUALIFICATION OF OPERATORS | 10 | 78 | LWTO | 23MAR93 | 2APR93 | | | | | | | | | | | |
| 15100010 | PROCESS QUAL TEST TRAINING | 10 | 31 | LWTO | 7APR93 | 21APR93 | | | | | | | | | | | |
| PROCESS CONTROL PLAN | | | | | | | | | | | | | | | | | |
| 16110010 | DRAFT PROCESS CONTROL PLAN | 1 | | MPP | 6JUN93A | 6JUN93A | | | | | | | | | | | |
| 16120010 | DEVELOP EQUIPMENT OPERATING LOGS(CMNT & RESOL) | 1 | | SPRP | 6JUN93A | 6JUN93A | | | | | | | | | | | |
| 16110020 | COMMENT RESOLUTION FOR POP | 14 | 124 | MPP | 13JUN93A | 1FEB93 | | | | | | | | | | | |
| 16110021 | CONCURRENCE REVIEW CYCLE FOR POP | 3 | 120 | MPP | 1FEB93 | 3FEB93 | | | | | | | | | | | |
| 16150010 | WRITE PROCESS QUALIFICATION PLAN | 44 | 77 | MPP | 1FEB93 | 1APR93 | | | | | | | | | | | |
| 16110022 | CONCURRENCE/COMMENT RESOLUTION | 2 | 120 | MPP | 4FEB93 | 5FEB93 | | | | | | | | | | | |
| 16110030 | APPROVE POP | 1 | 120 | | 8FEB93 | 8FEB93 | | | | | | | | | | | |
| 16120020 | EVALUATE OPERATING LOGS | 5 | 34 | LWTO | 8FEB93 | 12FEB93 | | | | | | | | | | | |
| 16120030 | APPROVE OPERATING LOGS | 1 | 34 | LWTO | 15FEB93 | 15FEB93 | | | | | | | | | | | |
| 16150040 | DESIGN CONTROL CHARTING & DATA ANALYSIS | 24 | 82 | MPP | 1MAR93 | 1APR93 | | | | | | | | | | | |
| 16150020 | REVIEW PLAN (COMMENT & RESOLUTION) | 5 | 77 | MPP | 2APR93 | 8APR93 | | | | | | | | | | | |
| 16140010 | WRITE MASTE ANALYSIS PLAN | 15 | 29 | MPP | 28MAR93 | 17JUN93 | | | | | | | | | | | |
| ACTION PLAN | | | | | | | | | | | | | | | | | |
| 16200010 | WRITE DRAFT ACTION PLAN FOR BUILDING 910 | 10 | | SPRP | 12JUN93A | 18JUN93A | | | | | | | | | | | |
| 16200020 | INTERNAL REVIEW & COMMENT - ACTION PLAN | 3 | 118 | SPRP | 19JUN93A | 22JUN93 | | | | | | | | | | | |
| 16200022 | INCORPORATE INTERNAL COMMENTS - ACTION PLAN | 2 | 118 | SPRP | 25JUN93 | 26JUN93 | | | | | | | | | | | |
| 16200021 | PARALLEL REVIEW CYCLE | 5 | 118 | SPRP | 27JUN93 | 2FEB93 | | | | | | | | | | | |
| 16200023 | INCORPORATE COMMENTS - PARALLEL REVIEW | 3 | 118 | SPRP | 3FEB93 | 5FEB93 | | | | | | | | | | | |
| 16200040 | APPROVE ACTION PLAN | 3 | 118 | SPRP | 8FEB93 | 10FEB93 | | | | | | | | | | | |
| MSRIC PLAN | | | | | | | | | | | | | | | | | |
| 16300010 | MODIFY MSRIC | 10 | 116 | MIC | 21JAN93 | 3FEB93 | | | | | | | | | | | |
| 16300020 | REVIEW & COMMENT ON MODIFIED MSRIC | 5 | 116 | | 4FEB93 | 10FEB93 | | | | | | | | | | | |
| 16300030 | APPROVE MSRIC | 2 | 116 | | 11FEB93 | 13FEB93 | | | | | | | | | | | |
| REGULATORY CONCERNS | | | | | | | | | | | | | | | | | |
| 16440010 | PREPARE JW/IRA MOD LETTER FOR RFO | 6 | | SPRP | 30NOV92A | 11DEC92A | | | | | | | | | | | |
| EG&G ROCKY FLATS SOLAR PONDS REMEDIATION PROJECT BUILDING 910 EVAPORATORS SCHEDULE | | | | | | | | | | | | | | | | | |

| ACTIVITY ID DESCRIPTION | | ORIG DNR | TOTL FLT | RESP | EARLY START | EARLY FINISH | 1993 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT | | | | | | | | | | | |
|-------------------------|--------------------------------------------------|----------|----------|-------|-------------|--------------|-------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | REGULATORY CONCERNS | | | | | | | | | | | |
| 16440020 | RF0/COH/EGG REVIEW MOD | 1 | | SPRP | 11DEC92A | 11DEC92A | | | | | | | | | | | | |
| 16440030 | SUBMIT IM/IRA MOD TO RF0 | 0 | | SPRP | | 11DEC92A | | | | | | | | | | | | |
| 16440040 | RF0 SUBMIT IM/IRA MOD TO COH | 5 | | DOE | 15DEC92A | 15DEC92A | | | | | | | | | | | | |
| 16410010 | SAR FINAL EGG APPROVAL | 8 | | QA | 22DEC92A | 22DEC92A | | | | | | | | | | | | |
| 16430050 | REQUEST RCRA TANKER PERMIT ADDITION | 1 | | LMTD | 12JAN93A | 12JAN93A | | | | | | | | | | | | |
| 16410020 | DOE APPROVAL OF SAR | 28 | 57 | DOE | 13JAN93A | 14FEB93 | | | | | | | | | | | | |
| 16430055 | RCRA PERMIT MODIFICATION | 5 | 83 | RRP | 21JAN93 | 22JAN93 | | | | | | | | | | | | |
| 16460010 | PREPARE QAP | 10 | 61 | SPRP | 21JAN93 | 3FEB93 | | | | | | | | | | | | |
| 16470010 | PREPARE QUALIFICATION SAMPLING PLAN | 10 | 53 | SPRP | 21JAN93 | 3FEB93 | | | | | | | | | | | | |
| 16420010 | NEPA DOCUMENTATION - VERIFY | 6 | 125 | ER-SP | 25JAN93 | 1FEB93 | | | | | | | | | | | | |
| 16430010 | RCRA PERMIT REVIEW - LETTER TO FILE | 4 | 127 | RRP | 25JAN93 | 28JAN93 | | | | | | | | | | | | |
| 16460020 | REVIEW COMMENT & RESOLUTION QAP | 5 | 61 | SPRP | 4FEB93 | 10FEB93 | | | | | | | | | | | | |
| 16470020 | EG&G REVIEW & APPROV QUALIFICATION SAMPLING PLAN | 5 | 53 | SPRP | 4FEB93 | 10FEB93 | | | | | | | | | | | | |
| 16440050 | COH/EPA APPROVAL OF IM/IRA MOD | 0 | 82 | SPRP | | 5FEB93 | | | | | | | | | | | | |
| 16460030 | APPROVAL OF QAP | 3 | 61 | SPRP | 11FEB93 | 15FEB93 | | | | | | | | | | | | |
| 16470022 | RF0 REVIEW & APPROV QUALIFICATION SAMPLING PLAN | 5 | 53 | RF0 | 11FEB93 | 17FEB93 | | | | | | | | | | | | |
| 16470024 | COH/EPA REVIEW & APPROV QUALIF SAMPLING PLAN | 5 | 53 | COH | 18FEB93 | 24FEB93 | | | | | | | | | | | | |
| 16470030 | PRODUCE ANALYTICAL SERVICES - QUAL SAMPLING PLAN | 3 | 76 | PROC | 25FEB93 | 1MAR93 | | | | | | | | | | | | |
| 16450010 | OPEN TEST | 3 | 9 | WPS | 7JUN93 | 9JUN93 | | | | | | | | | | | | |
| 16450020 | PREPARE APEN ANALYSIS & REPORT | 5 | 9 | CLEAN | 10JUN93 | 16JUN93 | | | | | | | | | | | | |
| 16450030 | PERMIT MOD | 20 | 9 | CLEAN | 17JUN93 | 15JUL93 | | | | | | | | | | | | |
| 16470040 | SUBMIT SAMPLES TO LAB - QUAL SAMPLING PLAN | 3 | 0 | ER | 18JUN93 | 22JUN93 | | | | | | | | | | | | |
| 16470050 | PERFORM LAB ANALYSIS & REPORT - QUAL SAMP PLAN | 14 | 0 | CONTR | 23JUN93 | 7JUL93 | | | | | | | | | | | | |
| 16470060 | EVALUATE LAB RESULTS - QUAL SAMP PLAN | 10 | 0 | WPS | 8JUL93 | 21JUL93 | | | | | | | | | | | | |
| 16450040 | REVISE FUEL CONSUMPTION LOG | 1 | 9 | LMTD | 16JUL93 | 16JUL93 | | | | | | | | | | | | |
| 16470070 | SUBMIT QUAL SAMP RESULTS TO RF0 | 1 | 0 | SPRP | 22JUL93 | 22JUL93 | | | | | | | | | | | | |
| 16470080 | SECURE APPROVAL OF QUAL SAMPLES | 5 | 0 | RF0 | 23JUL93 | 29JUL93 | | | | | | | | | | | | |
| | | | | | | | 05A | | | | | | | | | | | |
| 16500010 | WRITE USA | 5 | | NO | 17DEC92A | 17DEC92A | | | | | | | | | | | | |
| 16500020 | APPROVE USA | 2 | | HIS | 23DEC92A | 23DEC92A | | | | | | | | | | | | |
| 16500030 | OPERATOR REVIEW OF USA | 1 | | LMTD | 4JAN93A | 4JAN93A | | | | | | | | | | | | |
| | | | | | | | 05A | | | | | | | | | | | |
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| ACTIVITY ID | DESCRIPTION | ORIG | TOTL | EARLY | EARLY | 1993 | | | | | | | | | | | |
|-----------------|-----------------------------------------------|------|------|-------|----------|----------|----------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | DUR | FLT | RESP | START | FINISH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | |
| 16600010 | DEVELOP H&S PLAN | 7 | | H&S | 16DEC92A | 24DEC92A | | | | | | | | | | | |
| 16600020 | APPROVE H&S PLAN | 1 | | L&TO | 18JAN93A | 18JAN93A | | | | | | | | | | | |
| 16700010 | WRITE EMERGENCY PREPAREDNESS PLAN | 30 | 46 | L&TO | 18JAN93A | 26FEB93 | | | | | | | | | | | |
| 16700020 | REVIEW/COMMENT ON EMERGENCY PREPAREDNESS PLAN | 5 | 46 | EP | 1MAR93 | 5MAR93 | | | | | | | | | | | |
| 16700030 | APPROVE EMERGENCY PREPAREDNESS PLAN | 5 | 46 | EP | 8MAR93 | 12MAR93 | | | | | | | | | | | |
| 17000005 | IDENTIFY CHECKLISTS | 1 | | EMRS | 8DEC92A | 11DEC92A | | | | | | | | | | | |
| 17000007 | PROJECT APPROVE CHECKLISTS | 0 | | SPRP | | 11DEC92A | | | | | | | | | | | |
| 17000015 | VALIDATE CHECKLISTS | 4 | 0 | EMRS | 13MAY93 | 18MAY93 | | | | | | | | | | | |
| 17000017 | COMPENSATORY MEASURES | 5 | 0 | SPRP | 19MAY93 | 26MAY93 | | | | | | | | | | | |
| 17000020 | SELF-ASSESSMENT RPT | 1 | 4 | EMRS | 19MAY93 | 19MAY93 | | | | | | | | | | | |
| 17000030 | REVIEW & APPROVAL BY EG&G MANAGEMENT | 1 | 0 | SPRP | 27MAY93 | 27MAY93 | | | | | | | | | | | |
| 17000040 | DOE READINESS EVALUATION | 5 | 0 | DOE | 28MAY93 | 3JUN93 | | | | | | | | | | | |
| SELF ASSESSMENT | | | | | | | <div>HEALTH & SAFETY PLAN</div> <div>EMERGENCY PREPAREDNESS PLAN</div> | | | | | | | | | | |

Plot Date: 22JAN93
 Start Date: 21JAN93
 Project Start: 10FEB93
 Project Finish: 25JUN93

EG&G ROCKY FLATS
 SOLAR PONDS REMEDIATION PROJECT
 BUILDING 910 EVAPORATORS SCHEDULE

Date: 15 SEP 93
 REV 00 - 21/JUN/93
 By: _____
 Revision: _____
 Checked: _____
 Approved: _____

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